

ABSTRACT

An Al/Cu/Mg/Mn alloy for the production of semi-finished products with high static and dynamic strength properties has the following composition: 0.3-0.7 wt % silicon (Si), max. 0.15 wt.% iron (Fe), 3.5-4.5 wt % copper (Cu), 0.1-0.5 wt. % manganese (Mn), 0.3-0.8 wt. % magnesium (Mg), 0.5-0.15 wt % titanium (Ti), 0.1-0.25 wt % zirconium (Zr), 0.3-0.7 wt. % silver (Ag), max. 0.05 wt. % others individually, max 0.15 wt. % others globally, the remaining wt. % aluminum (Al). The invention further relates to a semi-finished product made for such an alloy and a method of production of a semi-finished product made for such an alloy.